WHAT IS CLAIMED IS:

- 1. An electronic battery tester for testing a storage battery comprising:
 - a first Kelvin connection configured to
 electrically couple to a first
 terminal of the battery;
 - a second Kelvin connection configured to
 electrically couple to a second
 terminal of the battery;
 - a probe light configured to couple to at least one of the first and second Kelvin connections; and
 - battery test circuitry configured to measure a parameter of the battery through the first and second Kelvin connections.
- 2. The apparatus of claim 1 wherein the parameter of the battery is a dynamic parameter.
- 3. The apparatus of claim 2 wherein the battery test circuitry comprises:
 - a forcing function configured to apply a time varying signal to the battery through the first and second Kelvin connections; and
 - a microprocessor configured to test the storage battery as a function of the dynamic parameter measured through the

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first and second Kelvin connections in response to the applied time varying signal.

- 4. The apparatus of claim 1 wherein the probe light is configured to mechanically couple to the at least one of the first and second Kelvin connections.
- 5. The apparatus of claim 1 wherein the probe light is configured to electrically couple to the at least one of the first and second Kelvin connections.
- 6. The apparatus of claim 1 wherein the probe light is configured to couple to the at least one of the first and second Kelvin connections via probe extensions.
- 7. The apparatus of claim 1 wherein the probe light is powered by at least one battery.
- 8. The apparatus of claim 7 wherein the at least one battery is at least one non-rechargeable battery.
- 9. The apparatus of claim 8 wherein the at least one non-rechargeable battery is selected from the group consisting of lithium coin cells, AAA and AA batteries.

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- 10. The apparatus of claim 7 wherein the at least one battery is at least one rechargeable battery.
- 11. The apparatus of claim 10 wherein the at least one rechargeable battery is a part of power control circuitry of the probe light, and wherein the power control circuitry receives a charge signal for charging the at least one rechargeable battery from a battery under test.
- 12. The apparatus of claim 1 wherein the probe light is configured to receive power from the battery test circuitry.
- 13. The apparatus of claim 1 further comprising an input, coupled to the test circuitry, through which the probe light can be turned on and off.
- 14. The apparatus of claim 1 further comprising a probe light-to-cable connector configured to couple the probe light to the at least one of the first and second Kelvin connections.
- 15. The apparatus of claim 14 wherein the probe light-to-cable connector comprises pieces of Velcro.
- 16. The apparatus of claim 14 wherein the probe light-to-cable connector comprises a double-sided adhesive tape.

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- 17. The apparatus of claim 14 wherein the probe light-to-cable is a loop configured to fit around a cable including the at least one of the first and second Kelvin connections.
- 18. The apparatus of claim 17 wherein the loop is formed integral with a housing of the probe light.
- 19. The apparatus of claim 17 wherein the loop is formed of plastic.
- 20. The apparatus of claim 14 wherein the probe light-to cable connector comprises a Velcro strap configured to attach to a housing of the probe light and to wrap around a cable including the at least one of the first and second Kelvin connections.
- 21. The apparatus of claim 14 wherein the probe light-to-cable connector comprises male and female plug fittings.
- 22. The apparatus of claim 1 wherein the probe light comprises a light bulb.
- 23. The apparatus of claim 22 wherein the light bulb is selected from the group consisting of incandescent lamps and cold-cathode lamps.

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- 24. The apparatus of claim 22 wherein the light bulb receives power from at least one capacitor.
- 25. A method of testing a battery comprising:
 - (a) coupling a first Kelvin connection to a first terminal of the battery;
 - (b) coupling a second Kelvin connection to a second terminal of the battery;
 - (c) coupling a probe light to at least one of the first and second Kelvin connections;
 - (d) measuring a parameter of the battery through the first and second Kelvin connections.
- 26. The method of claim 23 wherein the probe light is powered by at least one battery.
- 27. The method of claim 23 wherein step (d) is carried out by battery test circuitry, and wherein the probe light is configured to receive power from the battery test circuitry.